CLAIMS:

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

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17. (Canceled)

18. (Canceled)

19. (Previously Presented) A system for assigning information to objects, including teeth,

which are specified in one of a digitized X-ray image and a schematic diagram, comprising

-   an input and output device for interactive control of the system,

-   a storage area, in which the X-ray image or the schematic diagram is placed, object-labelling information being assigned to the X-ray images or the schematic diagram,

-   a second storage area, in which information concerning the objects is placed, references between the objects and the object-labelling information being stored,

-   a processing unit which controls accepting, deleting, and/or accessing operations in the storage areas and which manages references, said operations being preferably initiated via the input device and displayed on the output device.

20.   (Previously Presented) A system as defined in claim 19, wherein the output device is capable of showing the objects optically high-lighted such that the objects can be further selected in order to retrieve the saved information.

21.   (Previously Presented) A system as defined in claim 20, wherein the output device enables, access to further branched information, if present, when a object is selected.

22.   (Previously Presented) A system as defined in claim 19, wherein the second storage area enables the references to be managed in the form of links positioned either directly near the object and/or directly near the information and/or to be managed separately.

23. (Previously Presented) A system as defined in claim 19, wherein the output device comprises a visual display unit and the further information is capable of being displayed in one of an automatically opening display field including a pop-up window and the further information leads to a new screen build-up.

24. (Previously Presented) A system as defined in claim 23, wherein the further information comprises one of diagnostic and treatment information and other X-ray images, including of details.

25. (Previously Presented) A system as defined in claim 19, further comprising a computer interface to an X-ray apparatus, which transmits, via the computer interface, information in the form of data for representation as X-ray images, information in the form of data being deposited in a third storage area and a reference to an object being saved to a fourth storage area.

26. (Previously Presented) A system as defined in claim 25, wherein the information in the form of data is capable of being hierarchically arranged over a plurality of levels.

27. (Previously Presented) A system as defined in claim 19, further comprising means allowing for manual specification of objects by selection of a specific area of the X-ray image.

28.   (Previously Presented) A system as defined in claim 19, further comprising a

functionality of a data bank system.

29.   (Currently Amended) A system as defined in claim 19, further comprising a system for

identification of objects, including teeth, in a digitized X-ray image, ~~as defined in claim 1~~

said system for identification of objects comprising means for specifying the areas depicting

the object, using image-processing algorithms, by one of segmenting and edge detection of

the X-ray image, and that these areas are, for further specification of said areas linking,

linked by computation to those image parameters of the X-ray apparatus which are used for

making the X-ray image.

30.   (Previously Presented) A method of assigning information to objects, including teeth,

which have been specified in one of a digitized X-ray image and a schematic diagram

representation, comprising

-   a first step, in which the one of the digitized X-ray image and the schematic diagram is

made,

-   a second step, in which specification of the objects, if not already specified, is carried out

one of manually and automatically,

-   a third step, in which one of the objects is selected for which further information is to be

saved, accessed, or deleted,

-   and a fourth step, in which

a) when an interrogation operation is carried out, a reference is followed which has been deposited in relation to the object, which reference is used to determine what information is to be shown,

b) when a deleting operation is carried out, a reference is followed which has been deposited in relation to the object, which reference and/or the information is deleted,

c) when a storage operation is carried out, an object is selected, a storage area for the information is allocated, and a storage area for the reference is allocated, in order that the new information and the corresponding reference can be saved to these storage areas.

31. (Currently Amended) A method as defined in claim 31 30, wherein following specification of the object, data for making digital images are received from the X-ray apparatus, which data are automatically assigned to the specified object.

32. (Previously Presented) A method as defined in claim 30, wherein the information is in the form of graphical markings which can be placed over the images as an overlay.

33. (Previously Presented) A method as defined in claim 30, wherein areas of the objects can be specified to which information can be assigned.

34. (Previously Presented) A method as defined in claim 30, wherein pop-up menus

relating to the individual objects can be accessed.